

Fig. 1

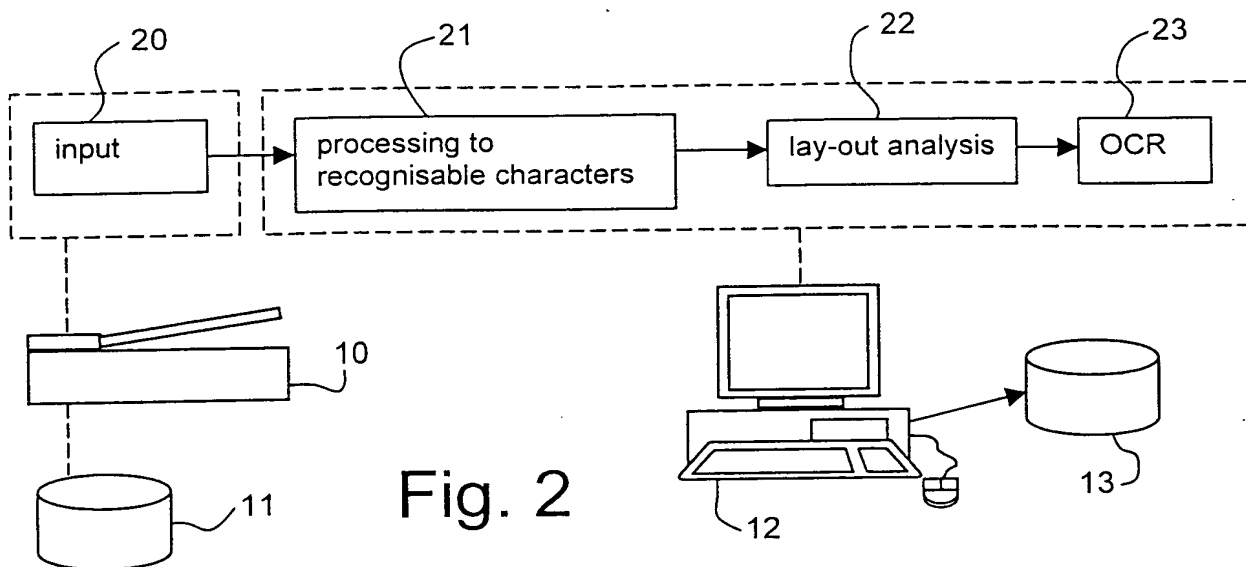


Fig. 2

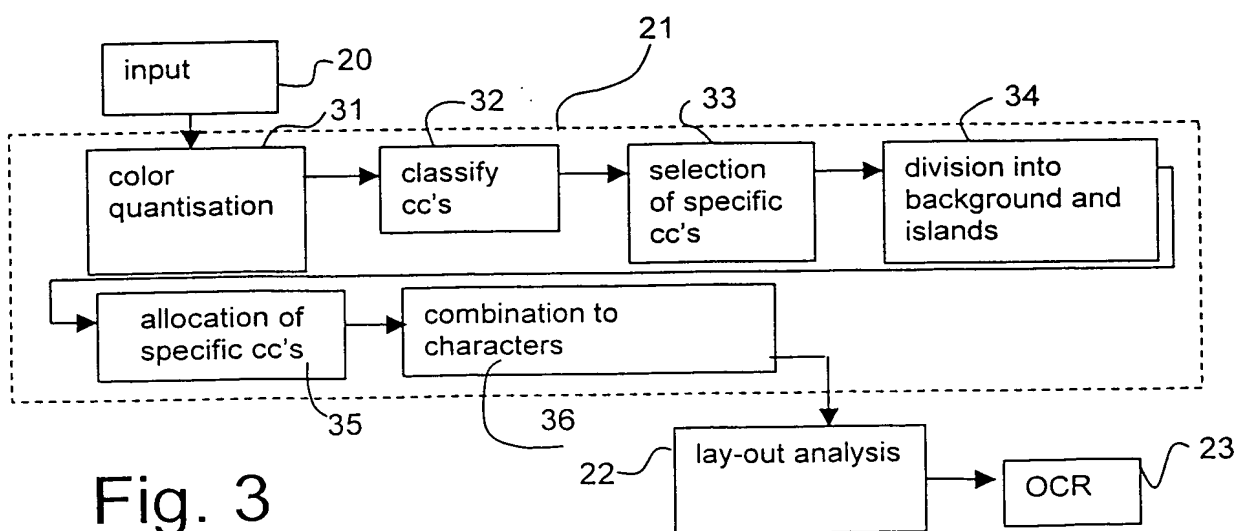
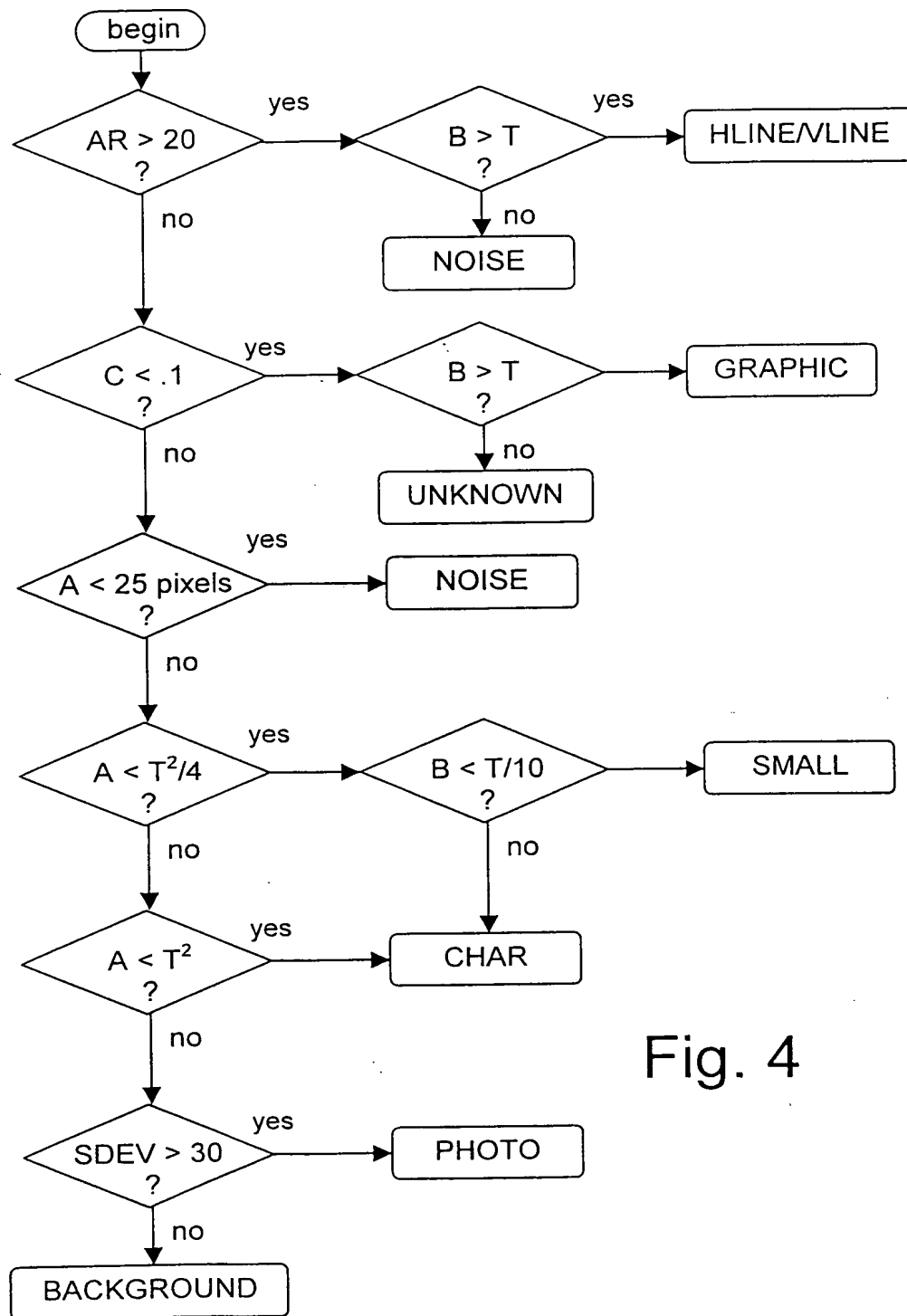


Fig. 3



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graph TD
    S1[Determine RGB value RGB(B) of  
surrounding BACKGR – connected  
component] --> S2[Determine average RGB value RGB(E) of  
connected components in island]
    S2 --> S3[Select a first connected component in  
island; RGB value is RGB(CC)]
    S3 --> S4[Determine  $d_e = |RGB(CC) - RGB(E)|$   
Determine  $d_b = |RGB(CC) - RGB(B)|$ ]
    S4 --> S5{de < db  
?}
    S5 -- yes --> S6[add connected  
component to  
foreground]
    S5 -- no --> S7[add connected  
component to  
background]
    S6 --> S8{still a connected  
component left?}
    S7 --> S8
    S8 -- yes --> S9[select next  
connected  
component]
    S9 --> S4
    S8 -- no --> Exit([exit])

```

Fig. 5

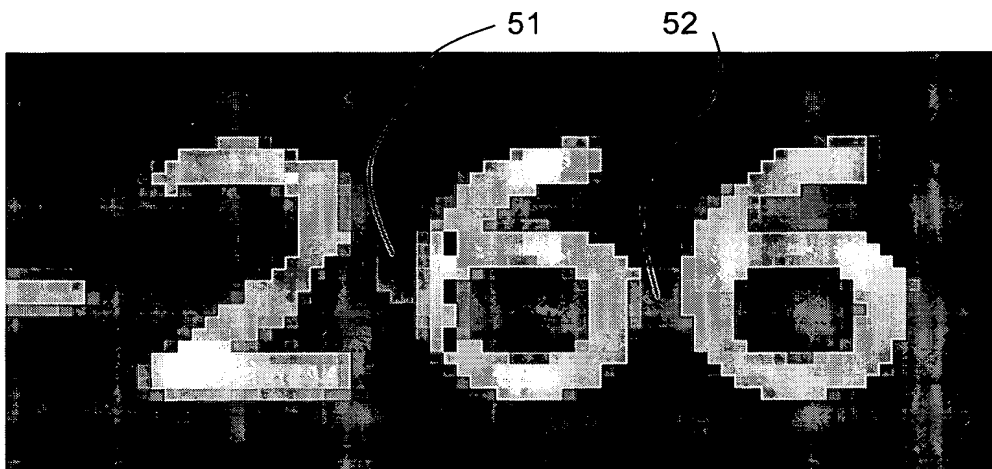


Fig. 6A

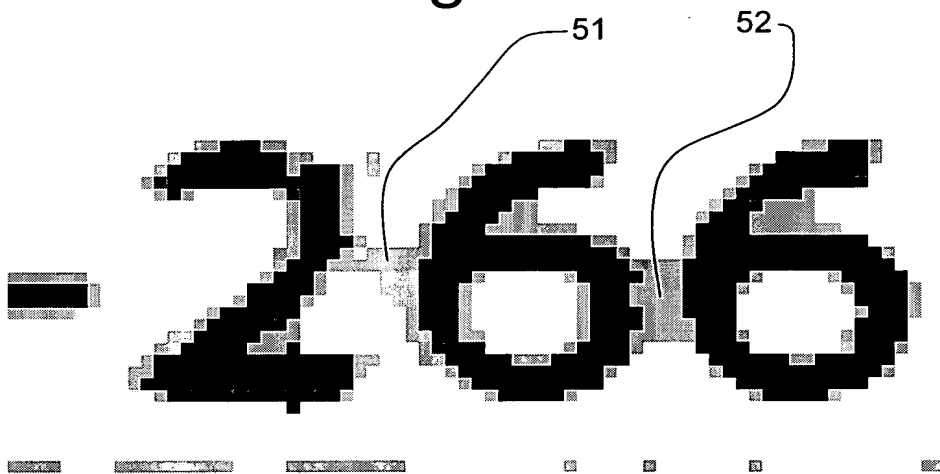


Fig. 6B



Fig. 6C

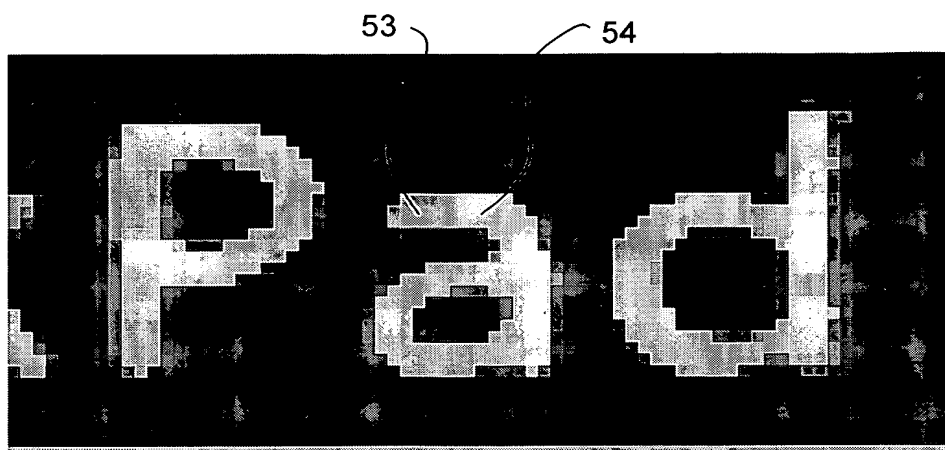


Fig. 7A

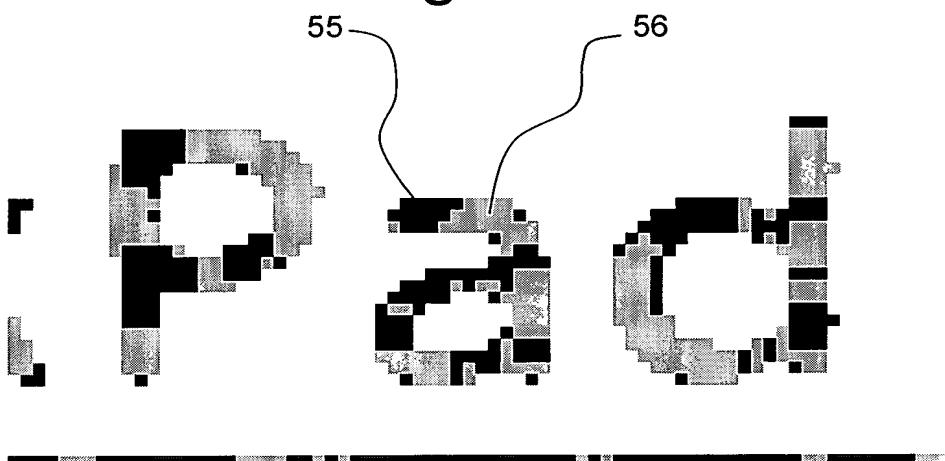


Fig. 7B



Fig. 7C